



# Hunters Point Radiological Program Update

Hunters Point Naval Shipyard  
BCT Meeting  
May 30, 2012



# Overview



## Radiological Project Work Overview

- Current Project Map
- SS/SD Removal and Building Survey Update
  - Crisp Road
  - Parcel C
  - Parcel E 500-Series
  - Parcel D-1
- Status of Radiological RACRs
- IR 7/18 Update

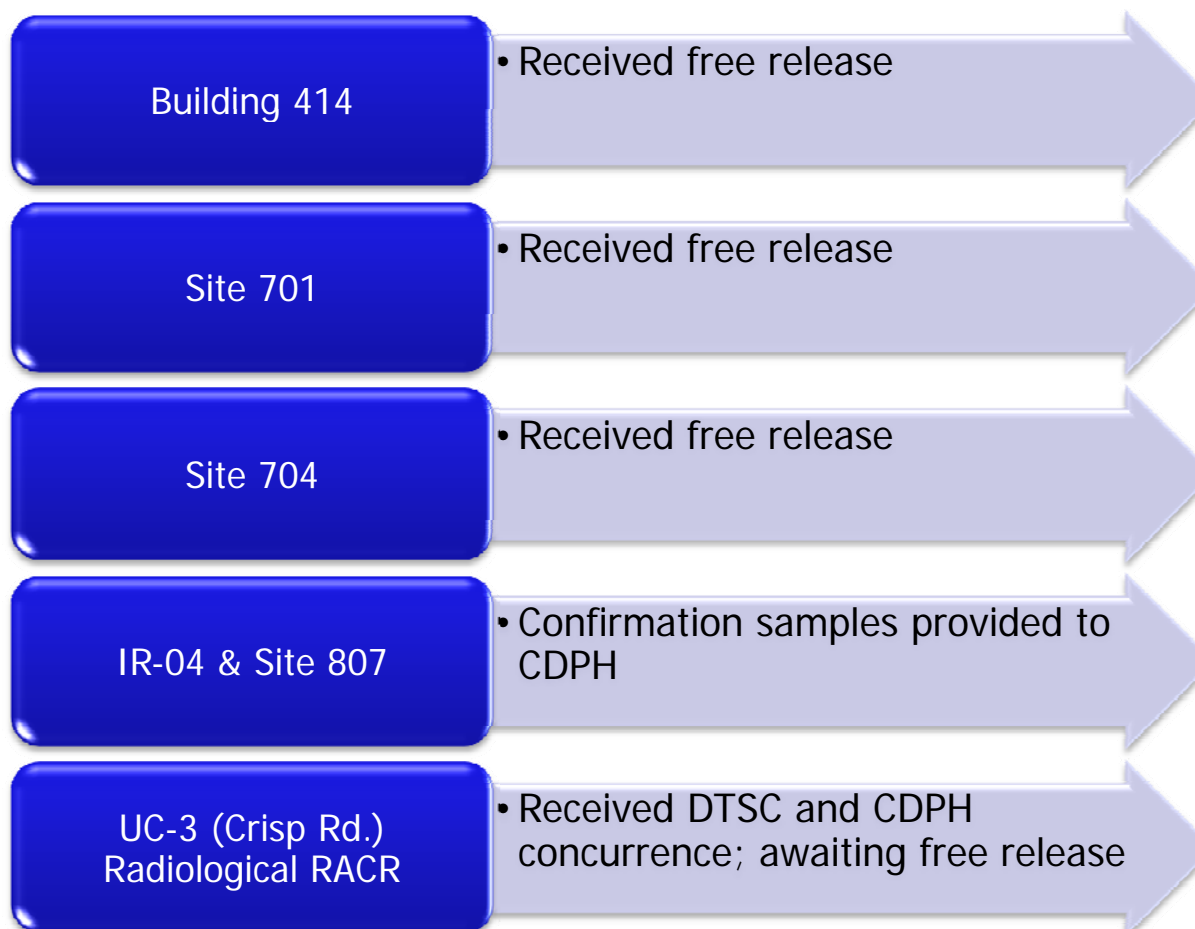


# 2012 Radiological Projects





## Crisp Road/Parcel E Building and Site Surveys







## Backfilling of SU 243 in Parcel C



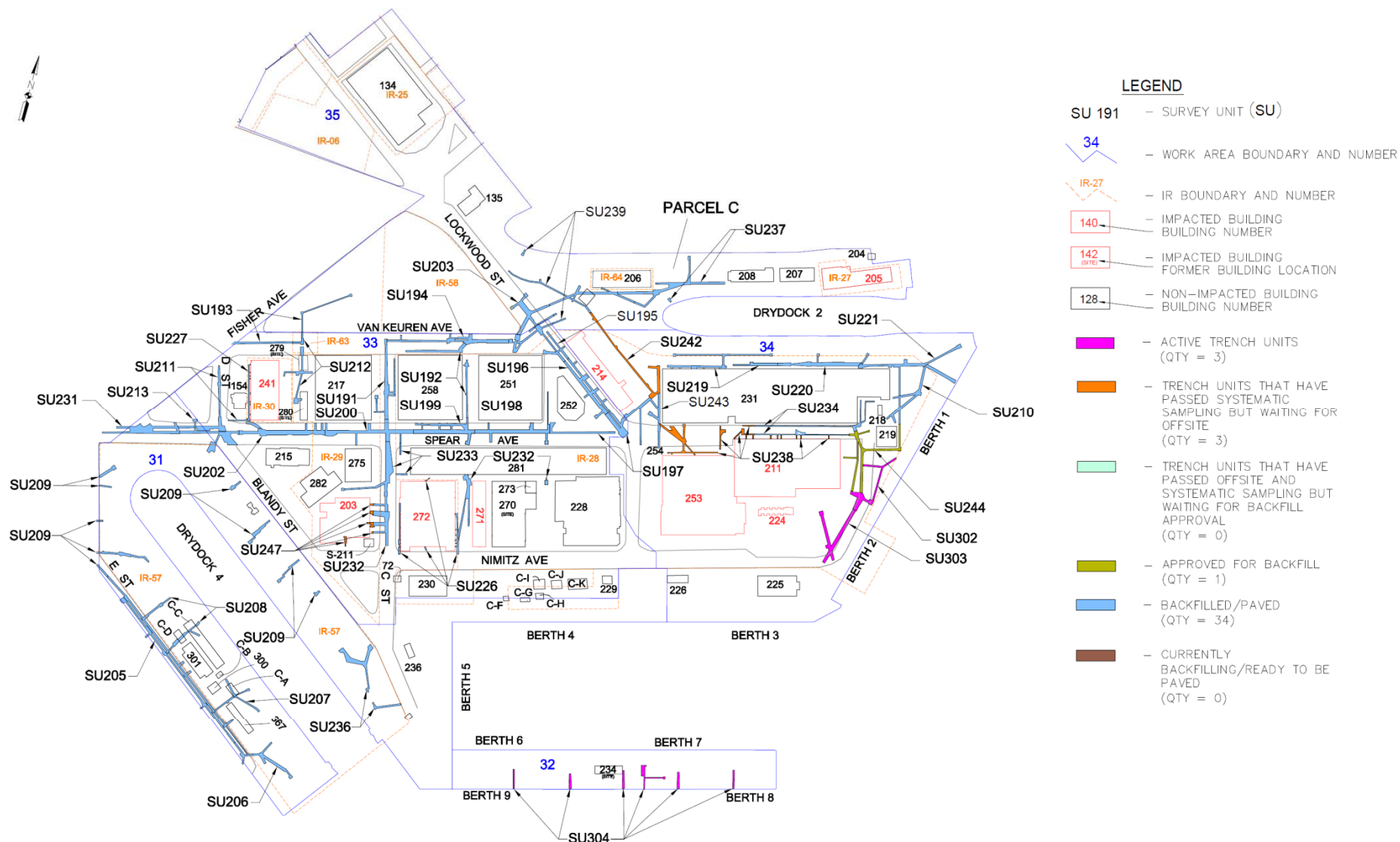
SU 243 is located between Buildings 214 and 231:

1. Loading of import material into dump truck
2. Tarping of loaded dump truck
3. Placement of import material into SU 243
4. Compaction of placed import material





# Parcel C Storm Drain & Sewer Removals





## Parcel C Storm Drain & Sewer Removals



- SS/SD line removal in Parcel C
  - Completed Phase I SS/SD removals (22,907 linear feet)
    - 65% of the total 37,479 lf of Parcel C removed to date
    - 35,979 cubic yards excavated
    - 34 of 41 active Survey Units have been restored/repaved



## Parcel C Building and Site Surveys



Building 214

- Received free release letter

North Pier

- Characterization, remediation, and sampling on-going

Building 271

- CDPH performed confirmatory surveys on May 23

Building 272

- CDPH performed confirmatory surveys on May 23

Buildings 203

- CDPH performed confirmatory surveys on May 22

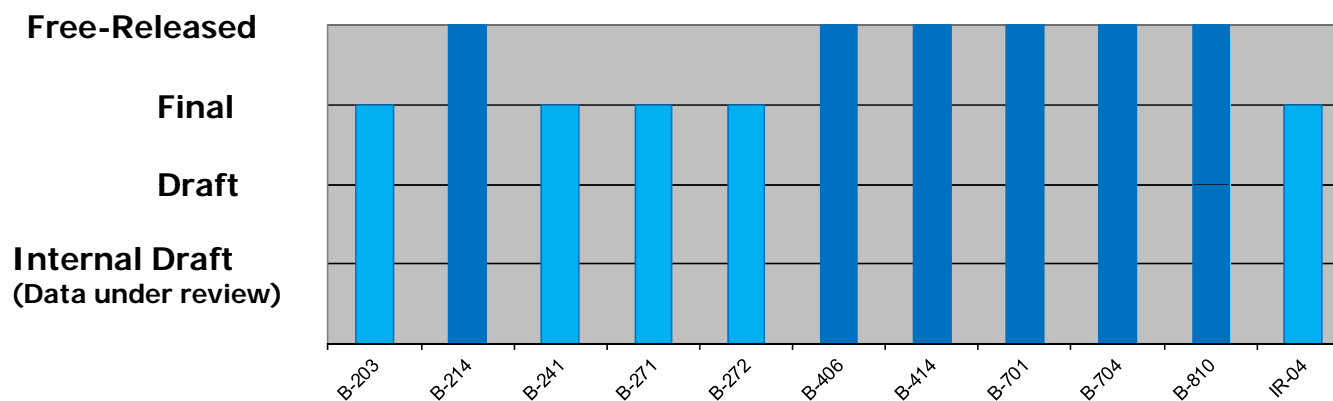
Building 241

- CDPH performed confirmatory surveys on May 23





## Parcel C & E Buildings/Sites Status

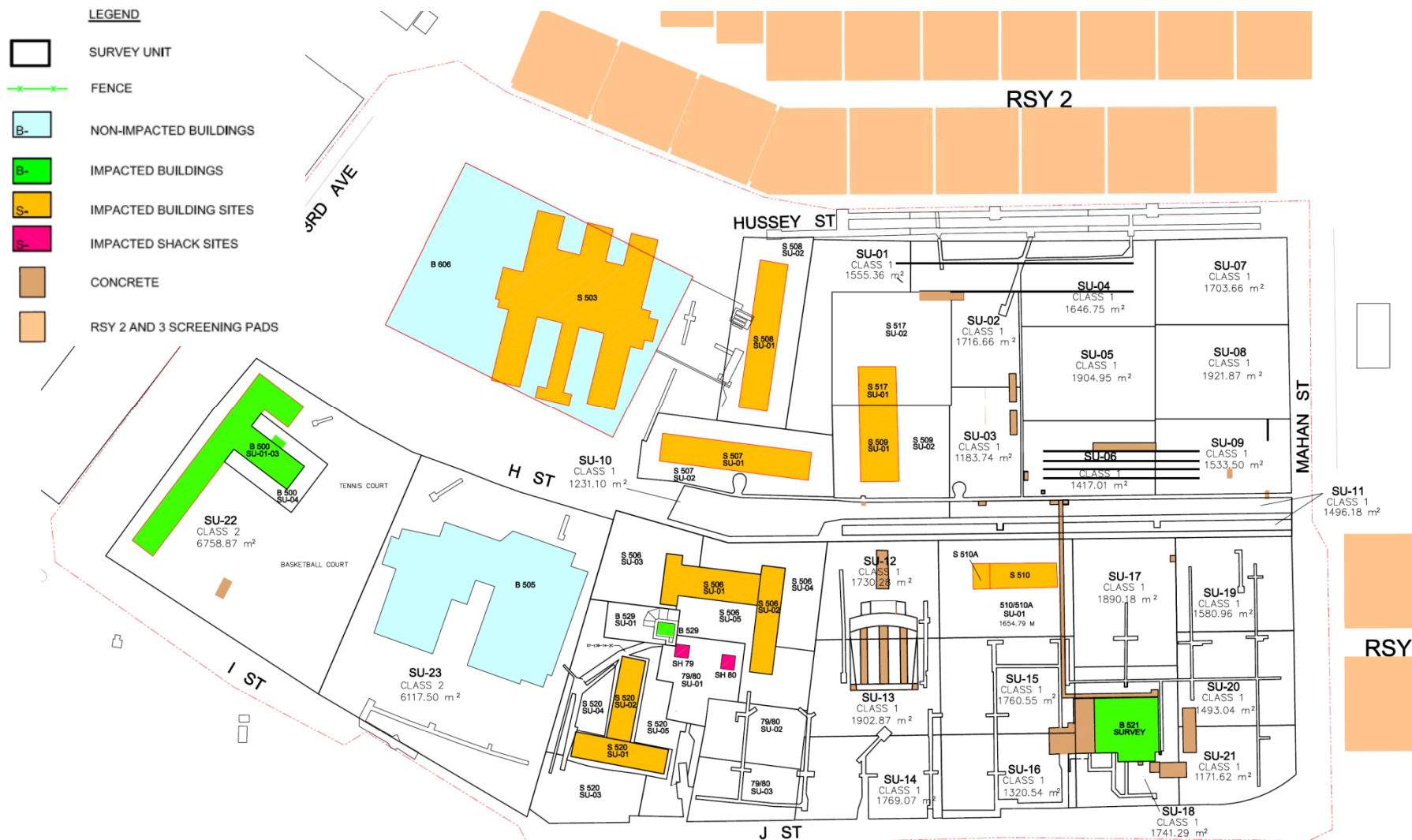


Waiting for concurrence for  
Free-Release determination





# Impacted Building and Sites Within Parcel E 500 Series Area





## Parcel E 500 Series Building / Site Surveys

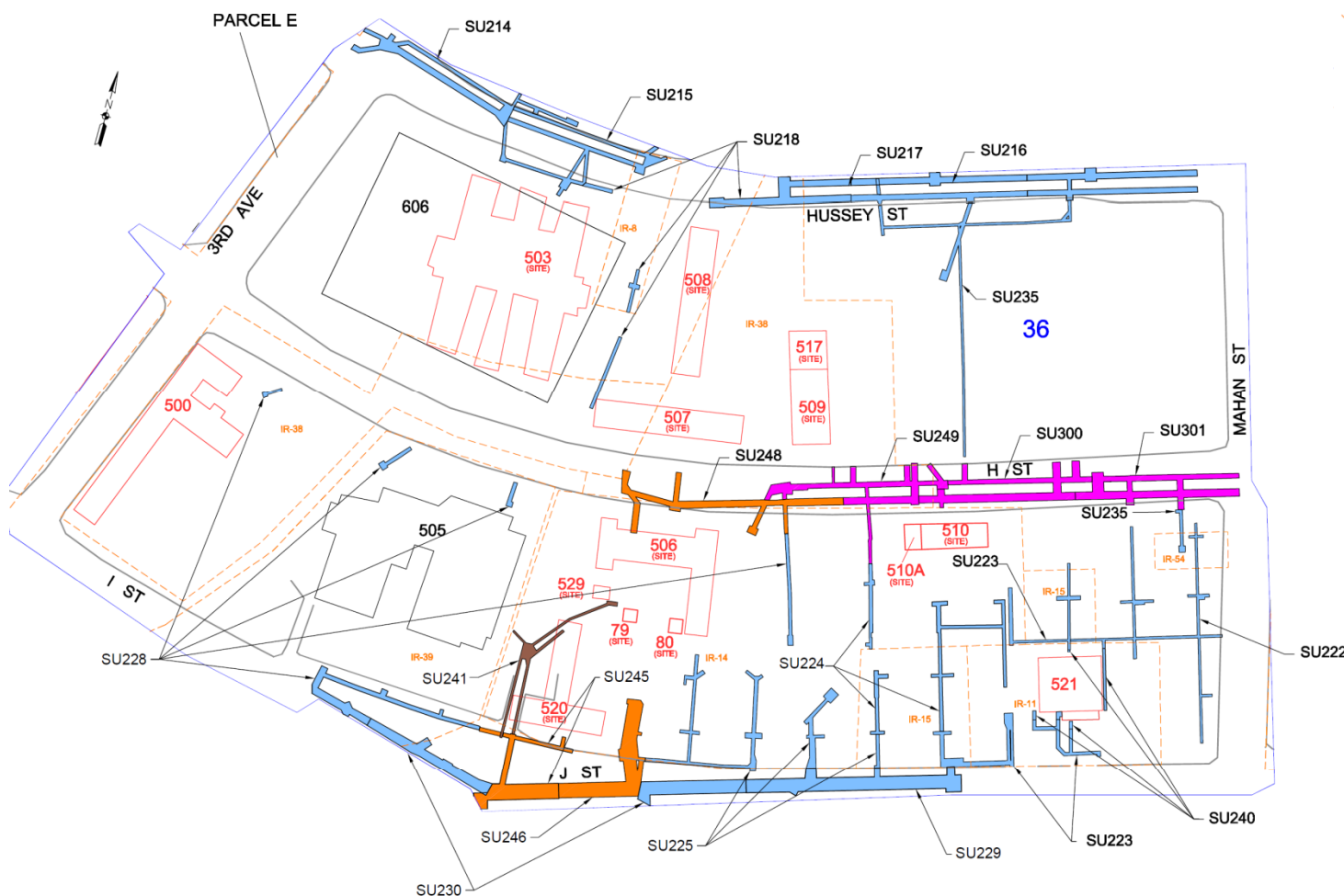


- Field Work
  - Buildings 506, 517, 520, and Shacks 79/80 Sites: Completed scanning and sampling, awaiting off-site analytical results.
  - Buildings 507 and 508 Sites: Resumed survey activities as SFPD has granted access to the west and south of Building 606.
  - 500 Series Area: 70% completed scanning and sampling
- Reports
  - Building 521: Draft FSS under Regulatory review.
  - Building 500: Internal Navy review
  - Buildings 529, 509, 503, and 510/510A Sites: Internal Navy Review



# Parcel E

## Storm Drain & Sewer Removals



### LEGEND

- SU 191 - SURVEY UNIT (SU)
- 36 - WORK AREA BOUNDARY AND NUMBER
- IR-27 - IR BOUNDARY AND NUMBER
- 140 - IMPACTED BUILDING BUILDING NUMBER
- 142 (SITE) - IMPACTED BUILDING FORMER BUILDING LOCATION
- 128 - NON-IMPACTED BUILDING BUILDING NUMBER
- ACTIVE SURVEY UNITS (QTY = 3)
- SURVEY UNITS THAT HAVE PASSED SYSTEMATIC SAMPLING BUT WAITING FOR OFFSITE (QTY = 3)
- SURVEY UNITS THAT HAVE PASSED OFFSITE AND SYSTEMATIC SAMPLING BUT WAITING FOR BACKFILL APPROVAL (QTY = 0)
- APPROVED FOR BACKFILL (QTY = 0)
- BACKFILLED/PAVED (QTY = 14)
- CURRENTLY BACKFILLING/PERFORMING COMPACTION (QTY = 1)



## Parcel E 500 Series Storm Drain & Sewer Removals



- SS/SD line removal commenced in Parcel E 500 Series on July 12, 2011
  - Excavated soil and pipe removal through May 18, 2012:
    - 14,637 linear feet of SS/SD lines removed (500 Series only)
      - 38% of the 58,000 LF of Parcel E SS/SD lines removed to date
    - 30,636 cubic yards excavated
    - 14 of 21 Active survey units have been restored





## Parcel E 500 Series Remaining Field Activities



- Complete removal of asphalt along southern side of Building 606 and complete the survey and sampling activities at Former Building Sites 507 and 508
- Relocate Building 606 tenant materials and equipment stored along H Street to Hussey Street
- Continue asphalt and SS/SD line removal along H Street behind Building 606; approximately 1,800 LF remaining
- Continue with the survey and sampling activities within the 500 Series Area



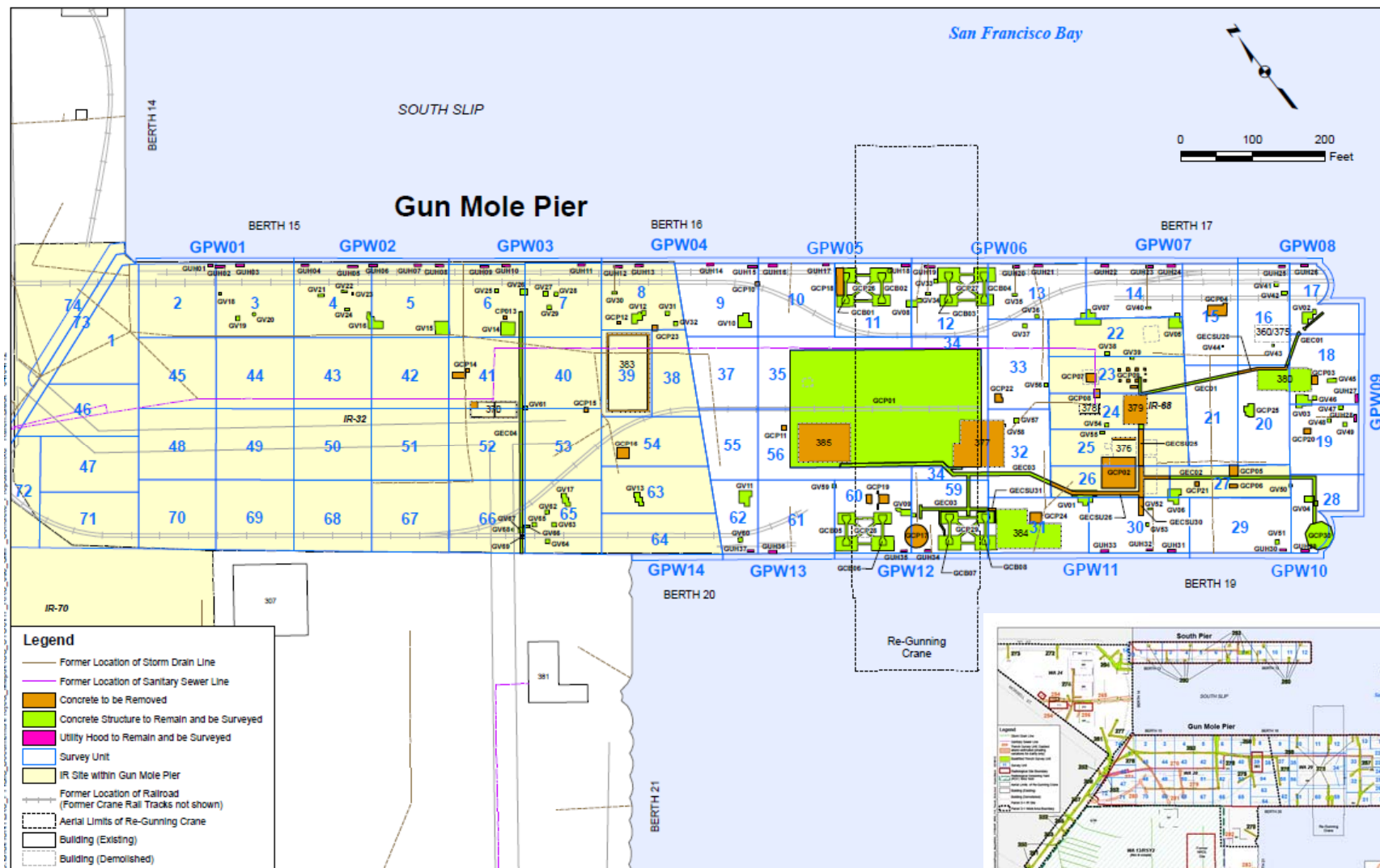
## Parcel D-1 Current Field Work Status



- Gun Mole Pier
  - Final Gun Mole Pier Task Specific Addendum issued. Work commenced May 14
  - Additional work (May through October 2012)
    - Subsurface vault and manholes planned sediment sampling; 100% complete
    - Utility corridors; 12% complete
    - Removal of concrete pads and structures; 75% complete
    - Encountered an additional 16 vaults and manholes
  - Continue remediating 4 impacted SUs for cesium-137
  - Contractor internally reviewing gamma walk over data
    - Gamma spectroscopy data accepted for 70 of 74 survey units; upon completion of additional concrete removals, areas will be resurveyed
- South Pier
  - Additional work to commence June 2012 (complete in October 2012)
    - Subsurface vault and utility corridor sediment sampling
    - Removal of concrete pads and structures in contaminated survey units
  - Contractor internally reviewing gamma walk over data
    - Gamma spectroscopy data accepted for 14 of 14 survey units; upon completion of additional concrete removals, areas will be resurveyed



# Parcel D-1 Gun Mole Pier Concrete Structures Overview







## Parcel D-1 Current Field Work Status (cont'd)



Sediment sampling of vaults and manholes May 16, 2012



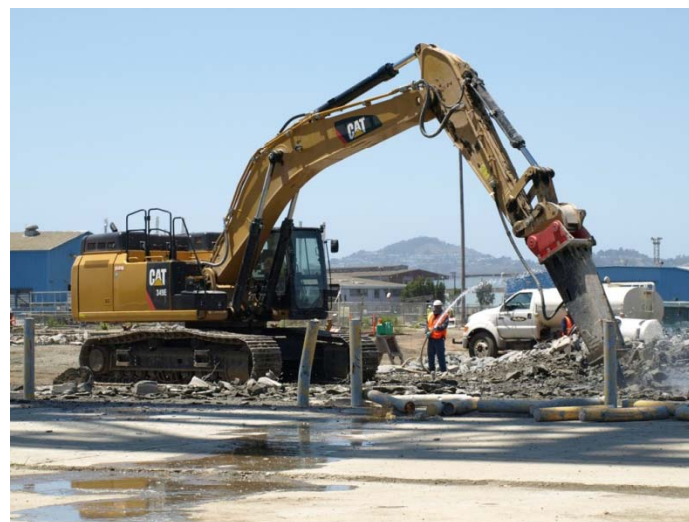
Exposing new vaults for sampling and surveying on Gun Mole Pier May 23, 2012



## Parcel D-1 Current Field Work Status (cont'd)



- Building 383 Area
  - Removal of concrete footer foundation started. Survey of exposed soil to follow.
  - Remaining 383 area previously surveyed and sampled.
- Building 313, 313A & 322 Sites - Surveyed and Sampled
  - Internal draft FSS Report currently being revised based on RASO comments. Draft planned for July 2012.



Removing concrete pads and foundations  
May 23, 2012



Concrete release surveys May 23, 2012





# Status of Radiological RACRs



- Final **Parcel B** Rad RACR
  - Awaiting free release letter from EPA and CDPH
  - A "no further comments" letter from CDPH was received on the draft version
  - DTSC concurred on the RACR
- Final **Parcel UC-3** Rad RACR
  - Awaiting free release letter from EPA and CDPH.
  - A "no further comments" letter from CDPH was received on the draft version
  - DTSC concurred on the RACR
- Final **Parcel D-2** Rad RACR (Rev.2)
  - Free Released
- Final **Parcel G** Rad RACR
  - Free Released
- Final **Parcel UC-1&2** Rad RACR
  - Free Released



## IR 7/18 Modeling Update



- Navy has revised text and provided additional information according to comments received by CDPH on December 9, 2011
- Document currently in internal Navy review
  - Final report to be sent to Jeff Wong of CDPH on June 11



Comments, Questions, Concerns ???